

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/533,299A  
Source: IFWJ0  
Date Processed by STIC: 9/1/06

***ENTERED***



IFWO

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/533,299A**

**DATE: 09/01/2006**  
**TIME: 10:17:11**

**Input Set : A:\29029106.APP**  
**Output Set: N:\CRF4\09012006\J533299A.raw**

3 <110> APPLICANT: SKERRA, ARNE  
 4 FIEDLER, MARKUS  
 6 <120> TITLE OF INVENTION: SOLUBLE TRUNCATED POLYPEPTIDES OF THE NOGO-A PROTEIN  
 8 <130> FILE REFERENCE: 029029-0106  
 10 <140> CURRENT APPLICATION NUMBER: 10/533,299A  
 11 <141> CURRENT FILING DATE: 2005-04-29  
 13 <150> PRIOR APPLICATION NUMBER: PCT/EP02/12210  
 14 <151> PRIOR FILING DATE: 2002-10-31  
 16 <160> NUMBER OF SEQ ID NOS: 24  
 18 <170> SOFTWARE: PatentIn Ver. 3.3  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 1163  
 22 <212> TYPE: PRT  
 23 <213> ORGANISM: Rattus norvegicus  
 25 <400> SEQUENCE: 1  
 26 Met Glu Asp Ile Asp Gln Ser Ser Leu Val Ser Ser Thr Asp Ser  
 27 1 5 10 15  
 29 Pro Pro Arg Pro Pro Ala Phe Lys Tyr Gln Phe Val Thr Glu Pro  
 30 20 25 30  
 32 Glu Asp Glu Glu Asp Glu Glu Glu Glu Asp Glu Glu Asp Asp  
 33 35 40 45  
 35 Glu Asp Leu Glu Glu Leu Glu Val Leu Glu Arg Lys Pro Ala Ala Gly  
 36 50 55 60  
 38 Leu Ser Ala Ala Ala Val Pro Pro Ala Ala Ala Pro Leu Leu Asp  
 39 65 70 75 80  
 41 Phe Ser Ser Asp Ser Val Pro Pro Ala Pro Arg Gly Pro Leu Pro Ala  
 42 85 90 95  
 44 Ala Pro Pro Ala Ala Pro Glu Arg Gln Pro Ser Trp Glu Arg Ser Pro  
 45 100 105 110  
 47 Ala Ala Pro Ala Pro Ser Leu Pro Pro Ala Ala Ala Val Leu Pro Ser  
 48 115 120 125  
 50 Lys Leu Pro Glu Asp Asp Glu Pro Pro Ala Arg Pro Pro Pro Pro  
 51 130 135 140  
 53 Pro Ala Gly Ala Ser Pro Leu Ala Glu Pro Ala Ala Pro Pro Ser Thr  
 54 145 150 155 160  
 56 Pro Ala Ala Pro Lys Arg Arg Gly Ser Gly Ser Val Asp Glu Thr Leu  
 57 165 170 175  
 59 Phe Ala Leu Pro Ala Ala Ser Glu Pro Val Ile Pro Ser Ser Ala Glu  
 60 180 185 190  
 62 Lys Ile Met Asp Leu Met Glu Gln Pro Gly Asn Thr Val Ser Ser Gly  
 63 195 200 205  
 65 Gln Glu Asp Phe Pro Ser Val Leu Leu Glu Thr Ala Ala Ser Leu Pro  
 66 210 215 220

*see  
R. b*

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/533,299A

DATE: 09/01/2006  
TIME: 10:17:11

Input Set : A:\29029106.APP  
Output Set: N:\CRF4\09012006\J533299A.raw

68 Ser Leu Ser Pro Leu Ser Thr Val Ser Phe Lys Glu His Gly Tyr Leu  
 69 225 230 235 240  
 71 Gly Asn Leu Ser Ala Val Ser Ser Ser Glu Gly Thr Ile Glu Glu Thr  
 72 245 250 255  
 74 Leu Asn Glu Ala Ser Lys Glu Leu Pro Glu Arg Ala Thr Asn Pro Phe  
 75 260 265 270  
 77 Val Asn Arg Asp Leu Ala Glu Phe Ser Glu Leu Glu Tyr Ser Glu Met  
 78 275 280 285  
 80 Gly Ser Ser Phe Lys Gly Ser Pro Lys Gly Glu Ser Ala Ile Leu Val  
 81 290 295 300  
 83 Glu Asn Thr Lys Glu Glu Val Ile Val Arg Ser Lys Asp Lys Glu Asp  
 84 305 310 315 320  
 86 Leu Val Cys Ser Ala Ala Leu His Ser Pro Gln Glu Ser Pro Val Gly  
 87 325 330 335  
 89 Lys Glu Asp Arg Val Val Ser Pro Glu Lys Thr Met Asp Ile Phe Asn  
 90 340 345 350  
 92 Glu Met Gln Met Ser Val Val Ala Pro Val Arg Glu Glu Tyr Ala Asp  
 93 355 360 365  
 95 Phe Lys Pro Phe Glu Gln Ala Trp Glu Val Lys Asp Thr Tyr Glu Gly  
 96 370 375 380  
 98 Ser Arg Asp Val Leu Ala Ala Arg Ala Asn Val Glu Ser Lys Val Asp  
 99 385 390 395 400  
 101 Arg Lys Cys Leu Glu Asp Ser Leu Glu Gln Lys Ser Leu Gly Lys Asp  
 102 405 410 415  
 104 Ser Glu Gly Arg Asn Glu Asp Ala Ser Phe Pro Ser Thr Pro Glu Pro  
 105 420 425 430  
 107 Val Lys Asp Ser Ser Arg Ala Tyr Ile Thr Cys Ala Ser Phe Thr Ser  
 108 435 440 445  
 110 Ala Thr Glu Ser Thr Thr Ala Asn Thr Phe Pro Leu Leu Glu Asp His  
 111 450 455 460  
 113 Thr Ser Glu Asn Lys Thr Asp Glu Lys Lys Ile Glu Glu Arg Lys Ala  
 114 465 470 475 480  
 116 Gln Ile Ile Thr Glu Lys Thr Ser Pro Lys Thr Ser Asn Pro Phe Leu  
 117 485 490 495  
 119 Val Ala Val Gln Asp Ser Glu Ala Asp Tyr Val Thr Thr Asp Thr Leu  
 120 500 505 510  
 122 Ser Lys Val Thr Glu Ala Ala Val Ser Asn Met Pro Glu Gly Leu Thr  
 123 515 520 525  
 125 Pro Asp Leu Val Gln Glu Ala Cys Glu Ser Glu Leu Asn Glu Ala Thr  
 126 530 535 540  
 128 Gly Thr Lys Ile Ala Tyr Glu Thr Lys Val Asp Leu Val Gln Thr Ser  
 129 545 550 555 560  
 131 Glu Ala Ile Gln Glu Ser Leu Tyr Pro Thr Ala Gln Leu Cys Pro Ser  
 132 565 570 575  
 134 Phe Glu Glu Ala Glu Ala Thr Pro Ser Pro Val Leu Pro Asp Ile Val  
 135 580 585 590  
 137 Met Glu Ala Pro Leu Asn Ser Leu Leu Pro Ser Ala Gly Ala Ser Val  
 138 595 600 605  
 140 Val Gln Pro Ser Val Ser Pro Leu Glu Ala Pro Pro Pro Val Ser Tyr

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/533,299A

DATE: 09/01/2006  
TIME: 10:17:11

Input Set : A:\29029106.APP  
Output Set: N:\CRF4\09012006\J533299A.raw

141	610	615	620
143	Asp Ser Ile Lys Leu Glu Pro Glu Asn Pro Pro Pro Tyr Glu Glu Ala		
144	625	630	635
146	Met Asn Val Ala Leu Lys Ala Leu Gly Thr Lys Glu Gly Ile Lys Glu		640
147	645	650	655
149	Pro Glu Ser Phe Asn Ala Ala Val Gln Glu Thr Glu Ala Pro Tyr Ile		
150	660	665	670
152	Ser Ile Ala Cys Asp Leu Ile Lys Glu Thr Lys Leu Ser Thr Glu Pro		
153	675	680	685
155	Ser Pro Asp Phe Ser Asn Tyr Ser Glu Ile Ala Lys Phe Glu Lys Ser		
156	690	695	700
158	Val Pro Glu His Ala Glu Leu Val Glu Asp Ser Ser Pro Glu Ser Glu		
159	705	710	715
161	Pro Val Asp Leu Phe Ser Asp Asp Ser Ile Pro Glu Val Pro Gln Thr		720
162	725	730	735
164	Gln Glu Glu Ala Val Met Leu Met Lys Glu Ser Leu Thr Glu Val Ser		
165	740	745	750
167	Glu Thr Val Ala Gln His Lys Glu Glu Arg Leu Ser Ala Ser Pro Gln		
168	755	760	765
170	Glu Leu Gly Lys Pro Tyr Leu Glu Ser Phe Gln Pro Asn Leu His Ser		
171	770	775	780
173	Thr Lys Asp Ala Ala Ser Asn Asp Ile Pro Thr Leu Thr Lys Lys Glu		
174	785	790	795
176	Lys Ile Ser Leu Gln Met Glu Glu Phe Asn Thr Ala Ile Tyr Ser Asn		800
177	805	810	815
179	Asp Asp Leu Leu Ser Ser Lys Glu Asp Lys Ile Lys Glu Ser Glu Thr		
180	820	825	830
182	Phe Ser Asp Ser Ser Pro Ile Glu Ile Ile Asp Glu Phe Pro Thr Phe		
183	835	840	845
185	Val Ser Ala Lys Asp Asp Ser Pro Lys Leu Ala Lys Glu Tyr Thr Asp		
186	850	855	860
188	Leu Glu Val Ser Asp Lys Ser Glu Ile Ala Asn Ile Gln Ser Gly Ala		
189	865	870	875
191	Asp Ser Leu Pro Cys Leu Glu Leu Pro Cys Asp Leu Ser Phe Lys Asn		880
192	885	890	895
194	Ile Tyr Pro Lys Asp Glu Val His Val Ser Asp Glu Phe Ser Glu Asn		
195	900	905	910
197	Arg Ser Ser Val Ser Lys Ala Ser Ile Ser Pro Ser Asn Val Ser Ala		
198	915	920	925
200	Leu Glu Pro Gln Thr Glu Met Gly Ser Ile Val Lys Ser Lys Ser Leu		
201	930	935	940
203	Thr Lys Glu Ala Glu Lys Lys Leu Pro Ser Asp Thr Glu Lys Glu Asp		
204	945	950	955
206	Arg Ser Leu Ser Ala Val Leu Ser Ala Glu Leu Ser Lys Thr Ser Val		960
207	965	970	975
209	Val Asp Leu Leu Tyr Trp Arg Asp Ile Lys Lys Thr Gly Val Val Phe		
210	980	985	990
212	Gly Ala Ser Leu Phe Leu Leu Ser Leu Thr Val Phe Ser Ile Val		
213	995	1000	1005

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/533,299A

DATE: 09/01/2006  
TIME: 10:17:11

Input Set : A:\29029106.APP  
Output Set: N:\CRF4\09012006\J533299A.raw

215 Ser Val Thr Ala Tyr Ile Ala Leu Ala Leu Ser Val Thr Ile Ser  
 216 1010 1015 1020  
 218 Phe Arg Ile Tyr Lys Gly Val Ile Gln Ala Ile Gln Lys Ser Asp Glu  
 219 1025 1030 1035 1040  
 221 Gly His Pro Phe Arg Ala Tyr Leu Glu Ser Glu Val Ala Ile Ser Glu  
 222 1045 1050 1055  
 224 Glu Leu Val Gln Lys Tyr Ser Asn Ser Ala Leu Gly His Val Asn Ser  
 225 1060 1065 1070  
 227 Thr Ile Lys Glu Leu Arg Arg Leu Phe Leu Val Asp Asp Leu Val Asp  
 228 1075 1080 1085  
 230 Ser Leu Lys Phe Ala Val Leu Met Trp Val Phe Thr Tyr Val Gly Ala  
 231 1090 1095 1100  
 233 Leu Phe Asn Gly Leu Thr Leu Leu Ile Leu Ala Leu Ile Ser Leu Phe  
 234 1105 1110 1115 1120  
 236 Ser Ile Pro Val Ile Tyr Glu Arg His Gln Val Gln Ile Asp His Tyr  
 237 1125 1130 1135  
 239 Leu Gly Leu Ala Asn Lys Ser Val Lys Asp Ala Met Ala Lys Ile Gln  
 240 1140 1145 1150  
 242 Ala Lys Ile Pro Gly Leu Lys Arg Lys Ala Asp  
 243 1155 1160  
 246 <210> SEQ ID NO: 2  
 247 <211> LENGTH: 1192  
 248 <212> TYPE: PRT  
 249 <213> ORGANISM: Homo sapiens  
 251 <400> SEQUENCE: 2  
 252 Met Glu Asp Leu Asp Gln Ser Pro Leu Val Ser Ser Ser Asp Ser Pro  
 253 1 5 10 15  
 255 Pro Arg Pro Gln Pro Ala Phe Arg Tyr Gln Phe Val Arg Glu Pro Glu  
 256 20 25 30  
 258 Asp Glu Glu Glu Glu Glu Glu Glu Asp Glu Asp Glu Asp  
 259 35 40 45  
 261 Leu Glu Glu Leu Glu Val Leu Glu Arg Lys Pro Ala Ala Gly Leu Ser  
 262 50 55 60  
 264 Ala Ala Pro Val Pro Thr Ala Pro Ala Ala Gly Ala Pro Leu Met Asp  
 265 65 70 75 80  
 267 Phe Gly Asn Glu Phe Val Pro Pro Ala Pro Arg Gly Pro Leu Pro Ala  
 268 85 90 95  
 270 Ala Pro Pro Val Ala Pro Glu Arg Gln Pro Ser Trp Asp Pro Ser Pro  
 271 100 105 110  
 273 Val Ser Ser Thr Val Pro Ala Pro Ser Pro Leu Ser Ala Ala Ala Val  
 274 115 120 125  
 276 Ser Pro Ser Lys Leu Pro Glu Asp Asp Glu Pro Pro Ala Arg Pro Pro  
 277 130 135 140  
 279 Pro Pro Pro Ala Ser Val Ser Pro Gln Ala Glu Pro Val Trp Thr  
 280 145 150 155 160  
 282 Pro Pro Ala Pro Ala Pro Ala Pro Pro Ser Thr Pro Ala Ala Pro  
 283 165 170 175  
 285 Lys Arg Arg Gly Ser Ser Gly Ser Val Asp Glu Thr Leu Phe Ala Leu  
 286 180 185 190

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/533,299A

DATE: 09/01/2006  
TIME: 10:17:11

Input Set : A:\29029106.APP  
Output Set: N:\CRF4\09012006\J533299A.raw

288 Pro Ala Ala Ser Glu Pro Val Ile Arg Ser Ser Ala Glu Asn Met Glu  
289 195 200 205  
291 Leu Lys Glu Gln Pro Gly Asn Thr Ile Ser Ala Gly Gln Glu Asp Phe  
292 210 215 220  
294 Pro Ser Val Leu Leu Glu Thr Ala Ala Ser Leu Pro Ser Leu Ser Pro  
295 225 230 235 240  
297 Leu Ser Ala Ala Ser Phe Lys Glu His Glu Tyr Leu Glu Asn Leu Ser  
298 245 250 255  
300 Thr Val Leu Pro Thr Glu Gly Thr Leu Gln Glu Asn Val Ser Glu Ala  
301 260 265 270  
303 Ser Lys Glu Val Ser Glu Lys Ala Lys Thr Leu Leu Ile Asp Arg Asp  
304 275 280 285  
306 Leu Thr Glu Phe Ser Glu Leu Glu Tyr Ser Glu Met Gly Ser Ser Phe  
307 290 295 300  
309 Ser Val Ser Pro Lys Ala Glu Ser Ala Val Ile Val Ala Asn Pro Arg  
310 305 310 315 320  
312 Glu Glu Ile Ile Val Lys Asn Lys Asp Glu Glu Glu Lys Leu Val Ser  
313 325 330 335  
315 Asn Asn Ile Leu His Asn Gln Gln Glu Leu Pro Thr Ala Leu Thr Lys  
316 340 345 350  
318 Leu Val Lys Glu Asp Glu Val Val Ser Ser Glu Lys Ala Lys Asp Ser  
319 355 360 365  
321 Phe Asn Glu Lys Arg Val Ala Val Glu Ala Pro Met Arg Glu Glu Tyr  
322 370 375 380  
324 Ala Asp Phe Lys Pro Phe Glu Arg Val Trp Glu Val Lys Asp Ser Lys  
325 385 390 395 400  
327 Glu Asp Ser Asp Met Leu Ala Ala Gly Gly Lys Ile Glu Ser Asn Leu  
328 405 410 415  
330 Glu Ser Lys Val Asp Lys Lys Cys Phe Ala Asp Ser Leu Glu Gln Thr  
331 420 425 430  
333 Asn His Glu Lys Asn Ser Glu Ser Ser Asn Asp Asp Thr Ser Phe Pro  
334 435 440 445  
336 Ser Thr Pro Glu Gly Ile Lys Asp Arg Pro Gly Ala Tyr Ile Thr Cys  
337 450 455 460  
339 Ala Pro Phe Asn Pro Ala Ala Thr Glu Ser Ile Ala Thr Asn Ile Phe  
340 465 470 475 480  
342 Pro Leu Leu Gly Asp Pro Thr Ser Glu Asn Lys Thr Asp Glu Lys Lys  
343 485 490 495  
345 Ile Glu Glu Lys Lys Ala Gln Ile Val Thr Glu Lys Asn Thr Ser Thr  
346 500 505 510  
348 Lys Thr Ser Asn Pro Phe Leu Val Ala Ala Gln Glu Ser Glu Thr Asp  
349 515 520 525  
351 Tyr Val Thr Thr Asp Asn Leu Thr Lys Val Thr Glu Glu Val Val Ala  
352 530 535 540  
354 Asn Met Pro Glu Gly Leu Thr Pro Asp Leu Val Gln Glu Ala Cys Glu  
355 545 550 555 560  
357 Ser Glu Leu Asn Glu Val Thr Gly Thr Lys Ile Ala Tyr Glu Thr Lys  
358 565 570 575  
360 Met Asp Leu Val Gln Thr Ser Glu Val Met Gln Glu Ser Leu Tyr Pro

RAW SEQUENCE LISTING ERROR SUMMARY                    DATE: 09/01/2006  
PATENT APPLICATION: US/10/533,299A                    TIME: 10:17:12

Input Set : A:\29029106.APP  
Output Set: N:\CRF4\09012006\J533299A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:9; N Pos. 38,39,44,45,47,48

Seq#:10; N Pos. 50,51,53,54

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/533,299A

DATE: 09/01/2006

TIME: 10:17:12

Input Set : A:\29029106.APP

Output Set: N:\CRF4\09012006\J533299A.raw

L:582 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0

L:606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0